

EXPLANATORY TEXT

Under Section 5.5.5.1 of the Groton Town Charter, the following question will appear on the November 3, 2015 ballot:

1. **Shall the Ordinance Appropriating \$8,230,000 and Authorizing the Issuance of Bonds and Notes in the Same Amount for Design and Refurbishment to the WPCF Effluent Pump Station and Rehabilitation of the Fishtown Road Pump Station be Approved?**

Project Summary

Refurbishment of the Effluent Pump Station

The Effluent Pump Station carries treated wastewater from the Water Pollution Control Facility (WPCF) through a four-mile pipeline to the Thames River for discharge. The project consists of replacement of pumps, piping, valves, and variable frequency motor controls. There are alterations to the Pump Station and Operations Building to include relocating the WPCF commercial and backup electrical power sources and distribution system above potential storm flood levels. Additional instrumentation and controls will be implemented, along with an expanded Supervisory Control and Data Acquisition ("SCADA") control system for monitoring and alarm functions.

The Project Shall Include:

1. Replacing 6 existing pumps with 4 pumps with an estimated rating of 350HP
2. Providing variable frequency drives for the new pumps
3. Replacing the discharge manifold including gate valves, check valves and relief valves
4. Replacing sluice gates, controls and actuators for flow control into the station
5. Replacing backup emergency power connections for portable generators
6. Constructing concrete isolation vaults for isolation valves
7. Relocating main electrical distribution from the basement to the existing above flood level control room on the main level of the operations building
8. Emergency power connections and automate starting
9. Installing flood control measures in tunnels
10. Constructing control room
11. Plant and process monitoring and control systems additions

Rehabilitation of the Fishtown Road Pump Station

The Fishtown Road Pump Station deposits wastewater from its branch areas through a collection system and is then carried to the WPCF. Work will include the installation of submersible wastewater pumps, the reconfiguration of the pumping and electrical services, the installation of an emergency generator, and the abandonment and filling in of the lower levels of the station with concrete.

The Project Shall Include:

1. Installation of two submersible pumps in the existing wet well
2. Installation of an emergency generator
3. Abandonment and filling in of the underground levels of the pump station building
4. Installation of a valve vault and piping
5. Installation and relocation of additional and existing electrical and instrumentation equipment

The foregoing summary is prepared for the benefit of the public, solely for purposes of information, summarization and explanation. The summary does not represent the intent of the Town Council of the Town of Groton for any purpose.

The full text of the bond ordinance is on file in the Town Clerk's Office

Town of Groton
November 3, 2015 Referendum

Shall the Ordinance Appropriating \$8,230,000 and Authorizing the Issuance of Bonds and Notes in the Same Amount for Design and Refurbishment to the WPCF Effluent Pump Station and Rehabilitation of the Fishtown Road Pump Station be Approved?

Effect on Sewer Use Fee Rates

Taxpayers within the City of Groton, which has its own sanitary sewer system, will not participate in the funding of this project.

The estimated effect of the 20-year bonding on the Sewer District Fund mill rates will add 0.28 mills in the first year and decreasing every year thereafter to 0.16 mills in the final year. This assumes a 3.75% municipal bond rate, substantially equal annual principal payments, no grants and no increase in the grand list over the bond repayment period.

A homeowner paying taxes on a median home property assessed at \$163,520 will see a tax increase from \$45.79 in the first year and decreasing to \$26.16 in the final year.

Authorized by the Town Council
Prepared and distributed by the Town Clerk
Text Approved by the Town Attorney

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